

In the Claims:

Please add new claims 11-12 as follows:

11. (New) An isolated antibody specifically binding at least one epitope of a mammalian heparanase protein, said heparanase protein being at least 80% homologous to SEQ ID NO:2.

12. (New) An isolated antibody elicited by at least one epitope of a mammalian heparanase protein, said heparanase protein being at least 80% homologous to SEQ ID NO:2.

REMARKS

Reconsideration of the above-identified application in view of the amendments above and the remarks following is respectfully requested. Claims 1-10 are in this case. Claims 1-10 have been rejected. New claims 11-12 have been added. The specification was also amended on page 20.

Rejections over 35 USC 112, first paragraph

The Examiner has rejected claims 1-10 over 35 USC 112, first paragraph, as containing subject matter that was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s) had possession of the claimed invention. The rejections of the Examiner are respectfully traversed. As the Examiner has made two sets of rejections under this section, Applicant has addressed each set of rejections separately.

The Examiner has generally rejected the claims by stating that there are no teachings of an antibody against a polypeptide having heparanase activity that shares at least 90% homology with SEQ ID NO:2; that furthermore, predictability of protein function is sufficiently poor that 10% variation in the sequence would not necessarily result in a viable heparanase; and that in combination, one of ordinary skill in the art